



Parcel C Remedial Action



Groundwater and Soil Vapor Characterization In Support of Parcel C Remedial Action at RU-C1, C4, C5 and Building 241

**BCT Meeting
March 24, 2011**



Parcel C Groundwater and Soil Gas Characterization

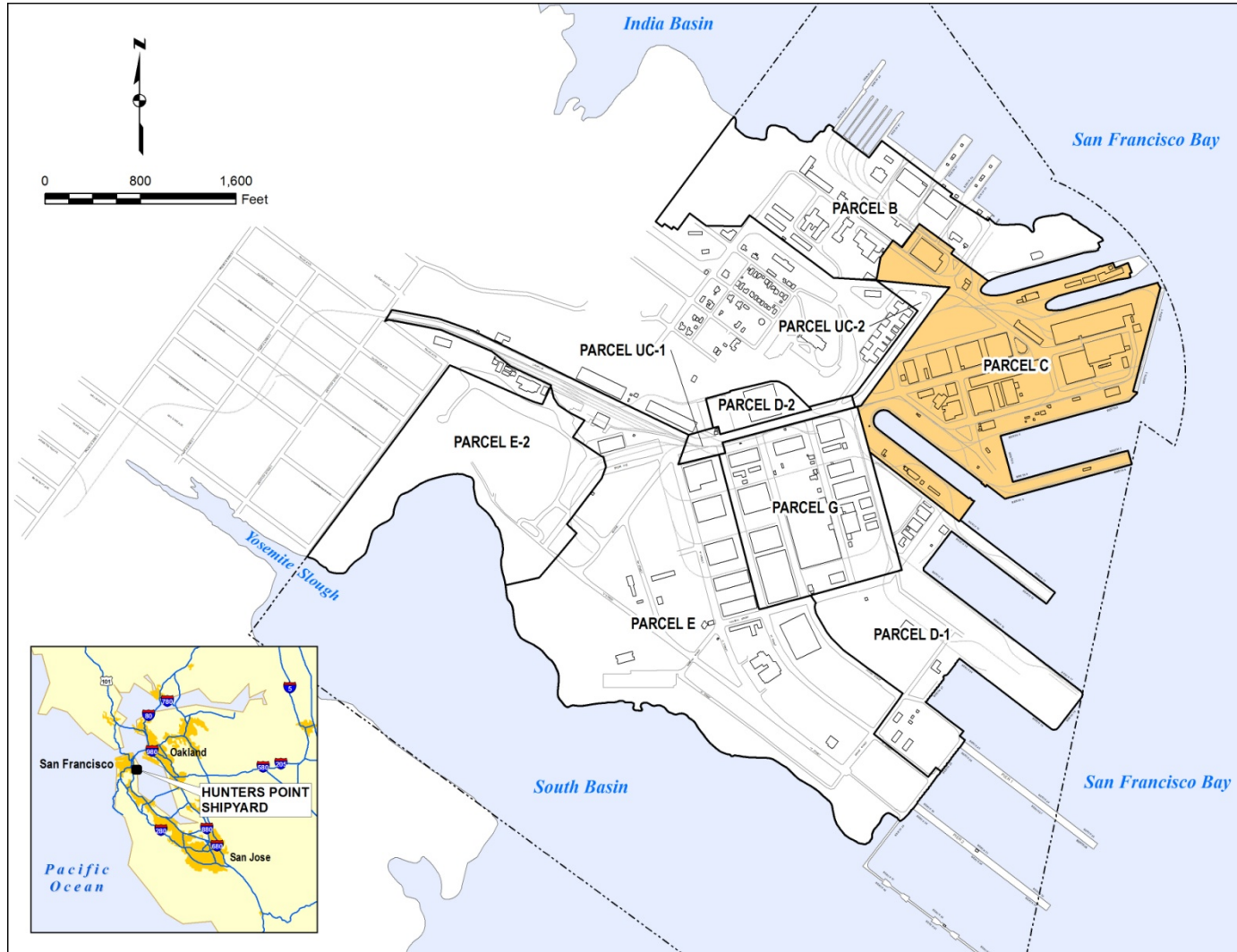


Overview:

- Location of Parcel C and RU Units
- Purpose of Characterization
- Specific Characterization Areas
- Schedule



Parcel C Location





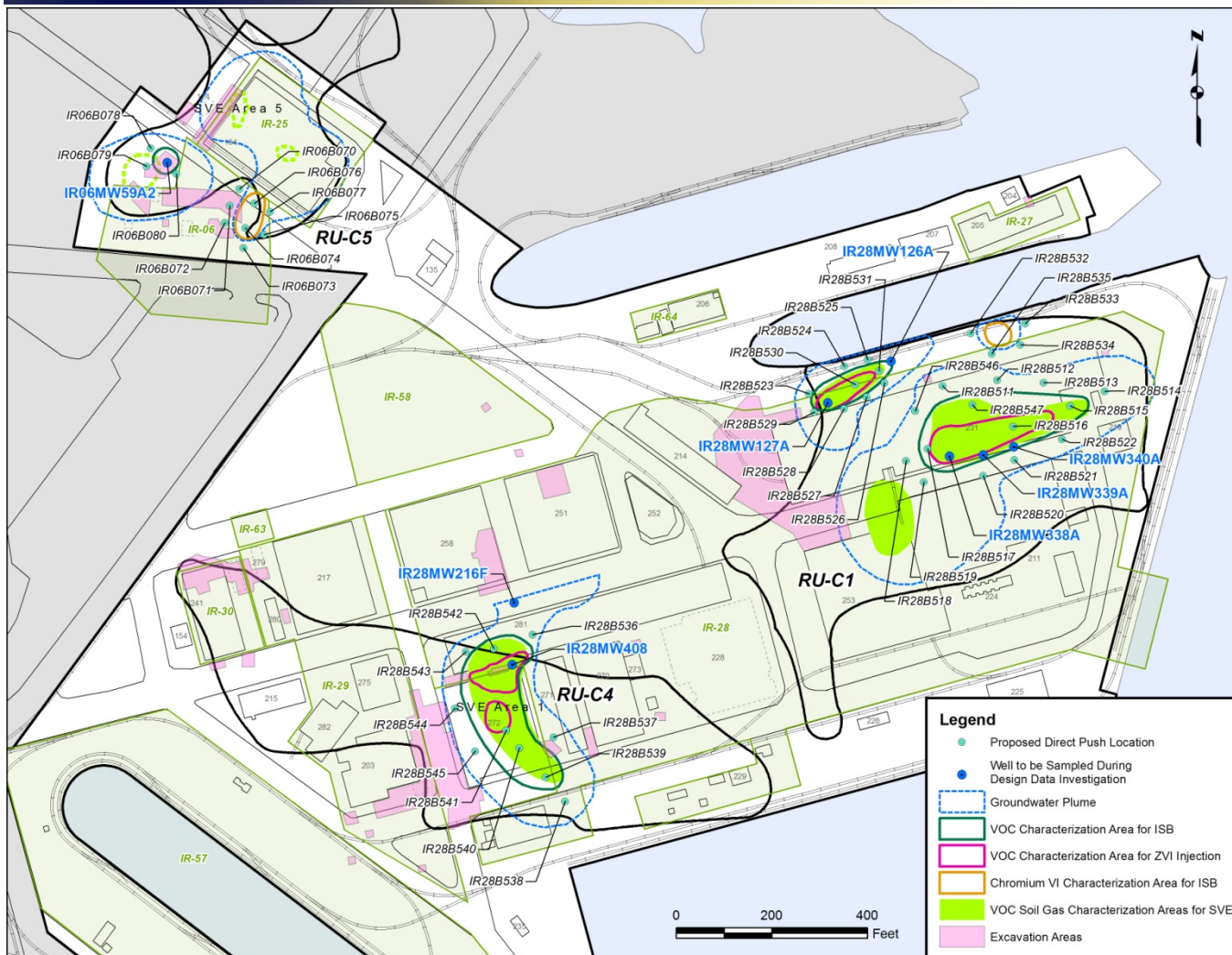
Purpose of the Characterization



- **To Evaluate current Groundwater and Soil Vapor Conditions prior to Remedial Action**
 - Consistent with Parcel C FS
 - Address groundwater, soil, and soil vapor contamination in and around RU-C1, RU-C4 and the southern portion of RU-C5 (IR-06)
- * **Contaminants targeted primarily include CVOCs and their degradation products, and Cr VI.**



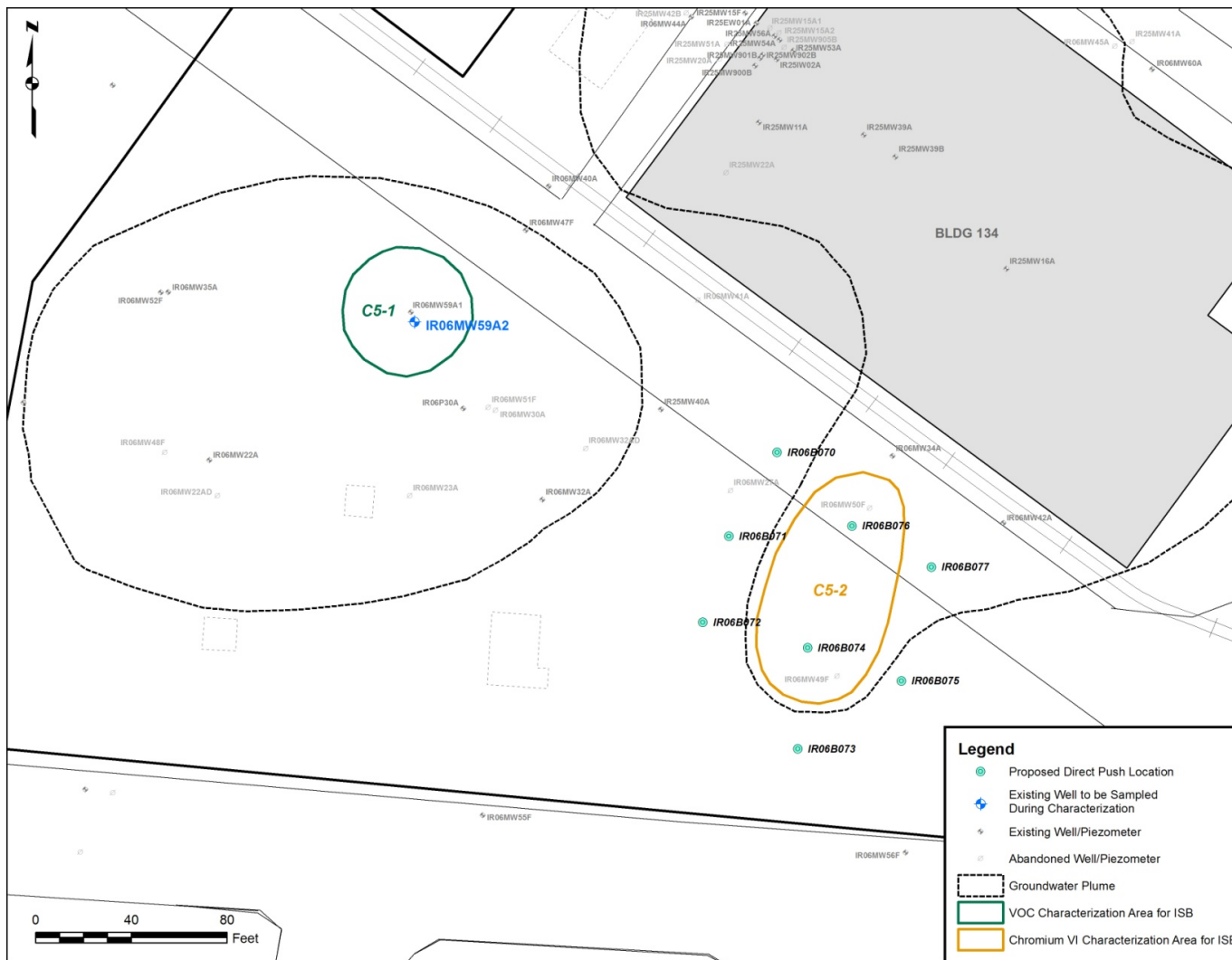
Groundwater Characterization Areas



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RU-C5 Grab Groundwater Sample Locations



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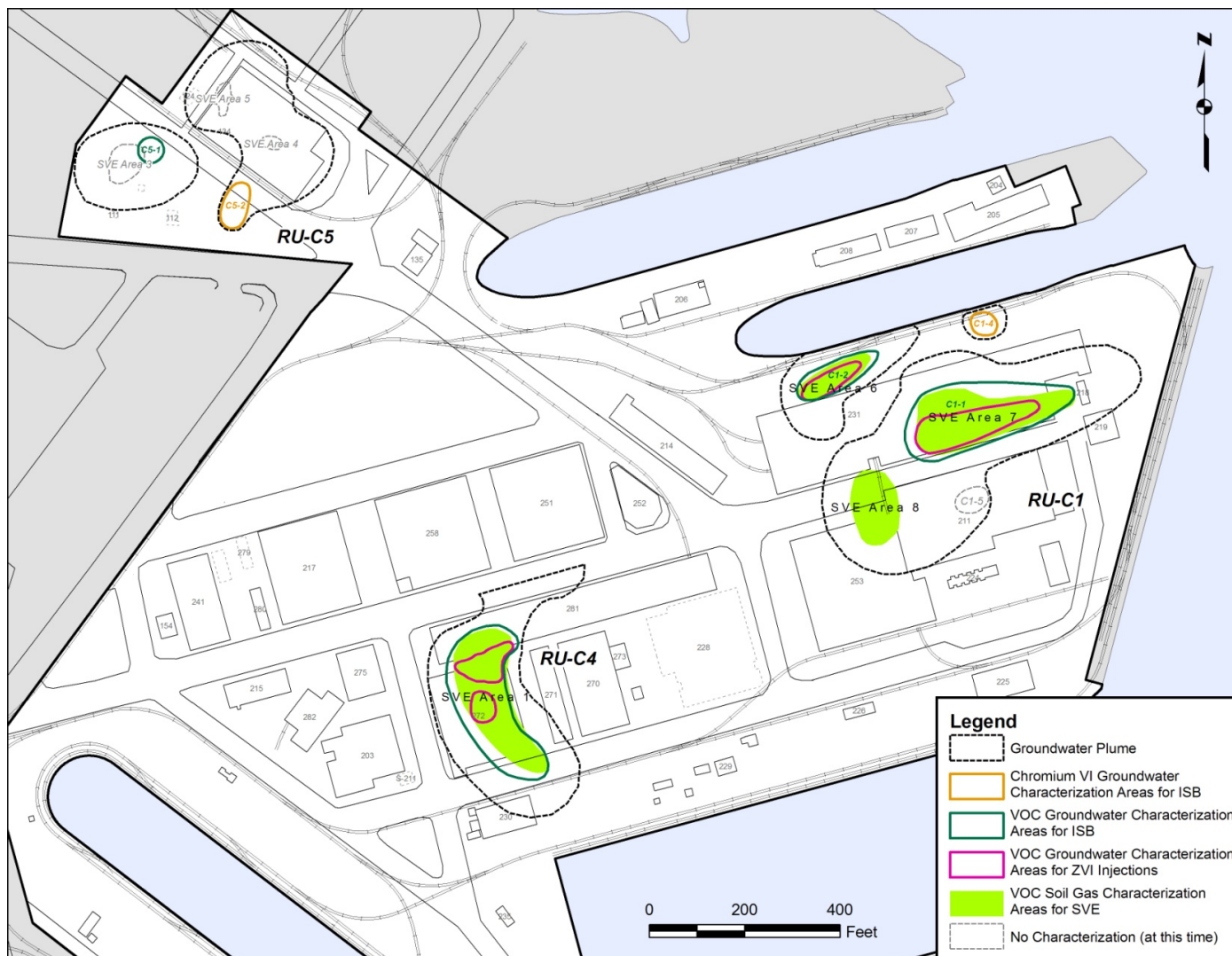
Step-out Step-in Criteria



- Step out distance will be made by the registered geologist
- Target concentrations are:
 - $\text{PCE} > 15 \mu\text{g/L}$
 - $\text{TCE} > 110 \mu\text{g/L}$
 - $\text{Total DCE} > 2,100 \mu\text{g/L}$
 - $\text{VC} > 5 \mu\text{g/L}$
- If concentrations are greater than those numbers we will step out.
- If less we will step in
- The distance will be based on concentration level detected



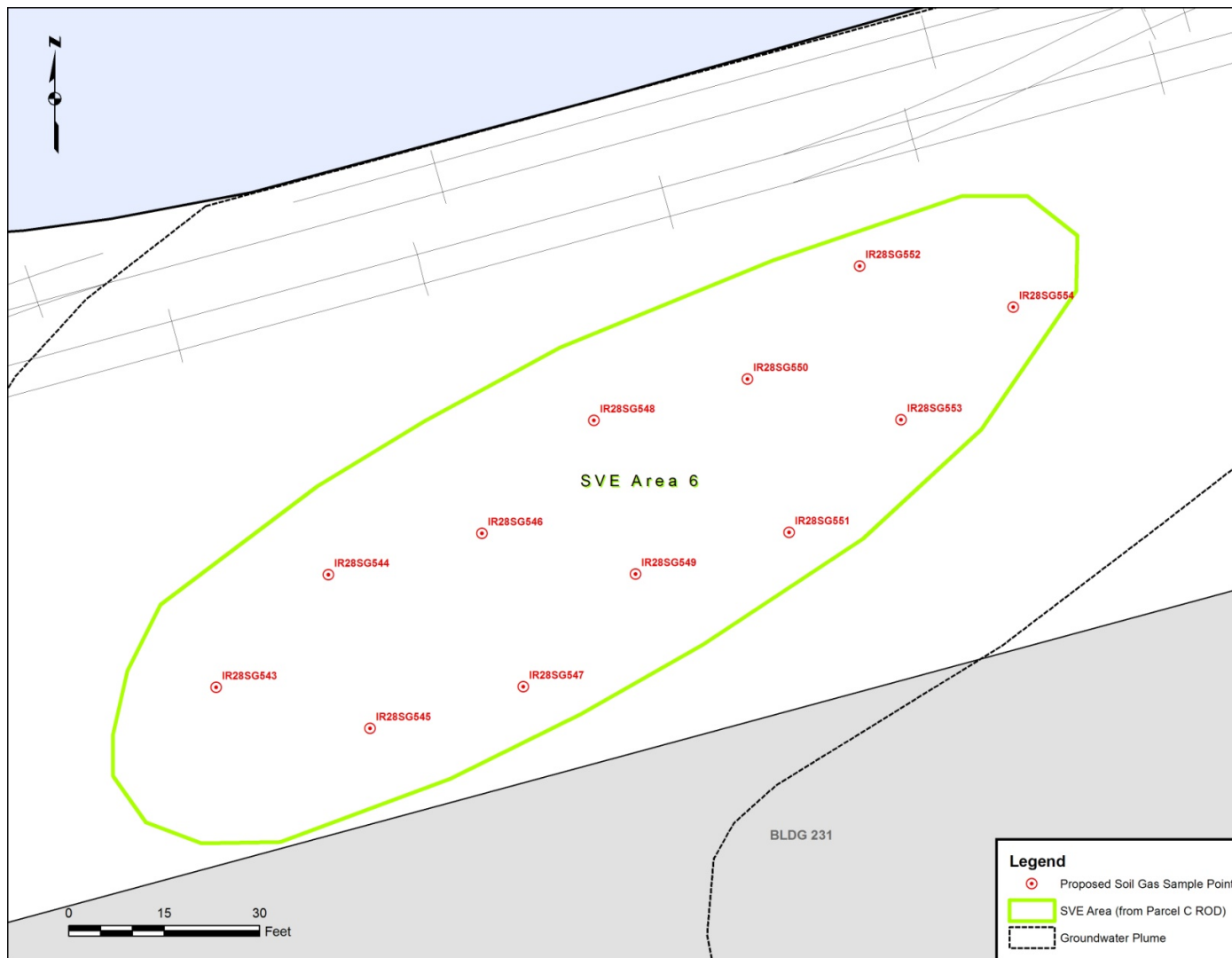
Soil Gas Characterization Areas



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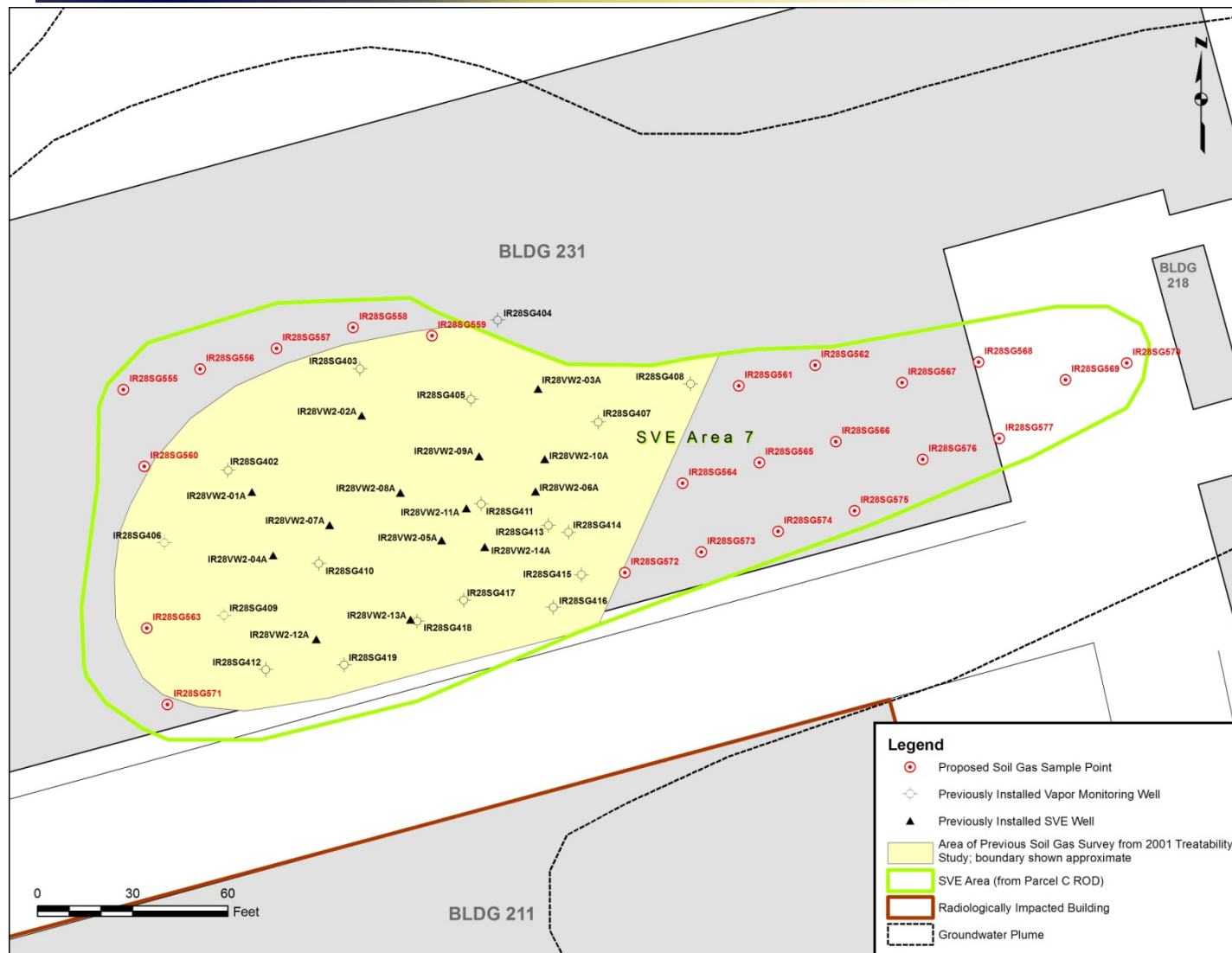
SVE Area 6 Soil Gas Characterization



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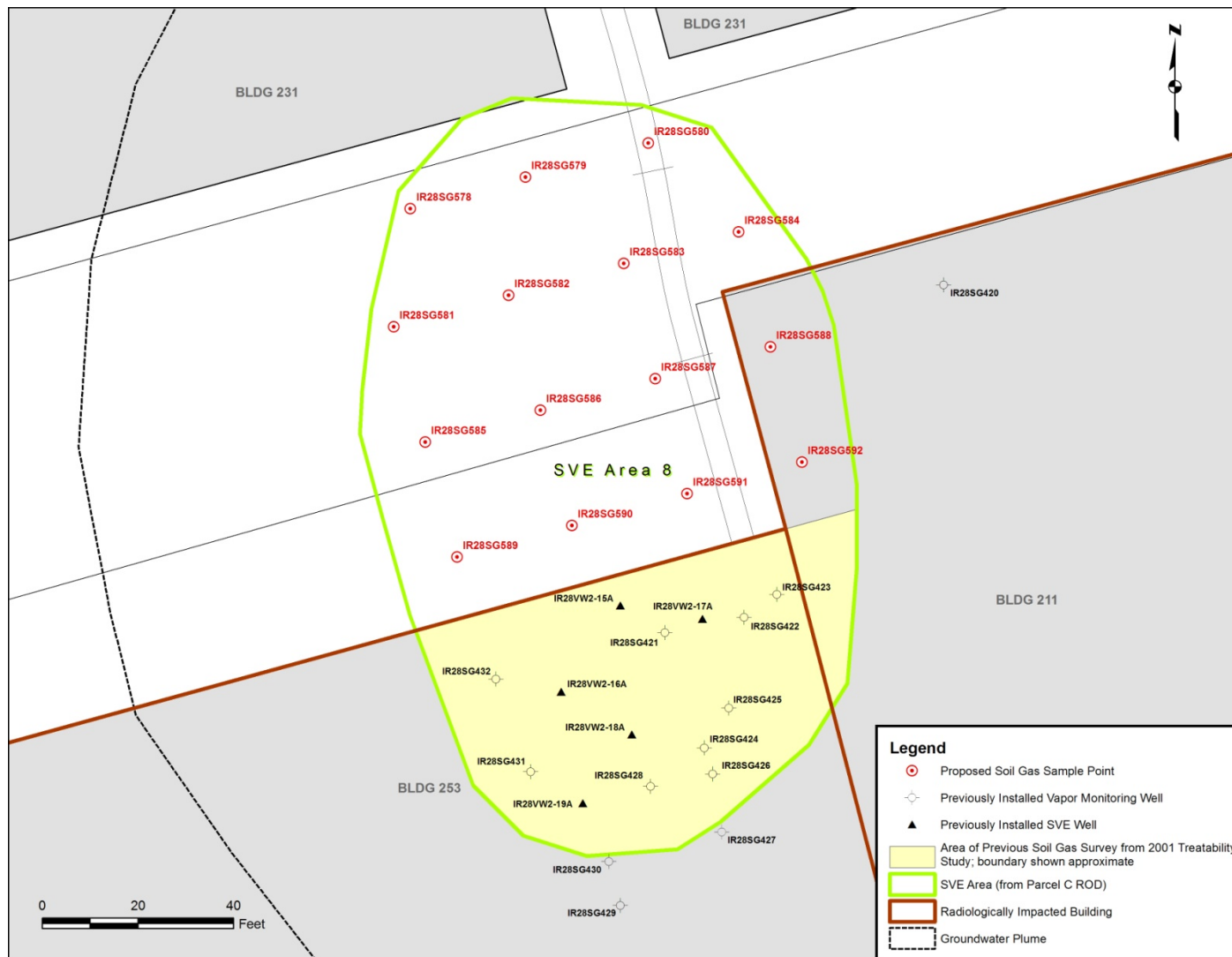
SVE Area 7 Soil Gas Characterization



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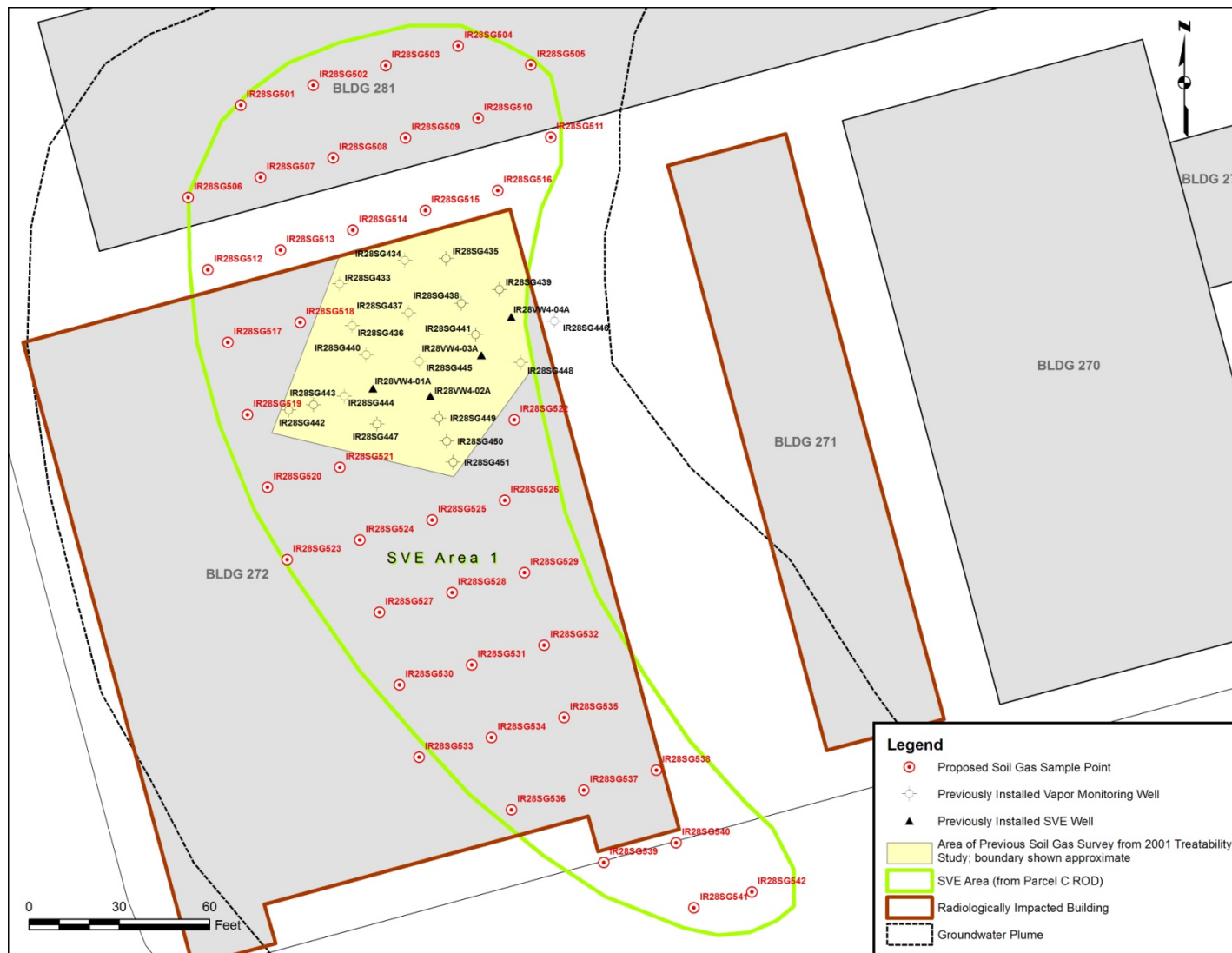
SVE Area 8 Soil Gas Characterization



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SVE Area 1 Soil Gas Characterization



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Schedule Summary



- **Draft Work Plan Submittal** **May 26, 2011**
- **BCT Review** **May 27-June 27, 2011**
- **Navy Working Meeting with BCT** **June 15**
- **Response to BCT Comments/Prep Final WP** **June 28-July 28, 2011**
- **Mobilize** **August 1, 2011**
- **Call USA, Sample Existing Wells and Utility Clearance** **July 29 – August 5, 2011**
- **BCT/Triad Meeting** **August 25, 2011**
- **Groundwater and Soil Vapor Characterization** **August 29 – Oct. 28, 2011**
- **Survey Direct Push and Soil Vapor Locations** **Oct 31-Nov. 3, 2011**
- **Demobilization** **November 3**
- **BCT/Triad** **January 2012**

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